

MMP-13 inhibitors

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NEWS 18 FEB 28 REGISTRY/ZREGISTRY enhanced with more experimental spectral
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NEWS 19 MAR 01 INSPEC reloaded and enhanced
NEWS 20 MAR 03 Updates in PATDPA; addition of IPC 8 data without attributes
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NEWS EXPRESS FEBRUARY 15 CURRENT VERSION FOR WINDOWS IS V8.01a,
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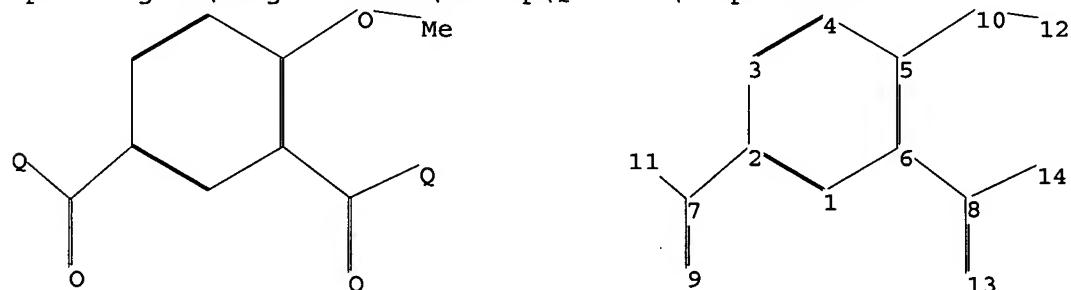
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=> Uploading C:\Program Files\Stnexp\Queries\isophtalic.str
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```

chain nodes :
7 8 9 10 11 12 13 14
ring nodes :
1 2 3 4 5 6
chain bonds :
2-7 5-10 6-8 7-9 7-11 8
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6
exact/norm bonds :
5-10 7-9 7-11 8-13 8-14
exact bonds :
2-7 6-8 10-12
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6

```

MMP-13 inhibitors

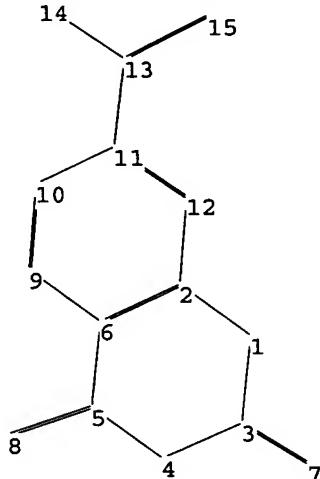
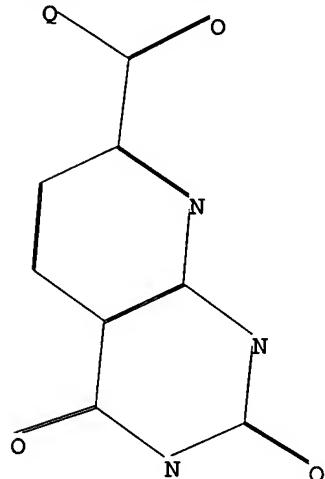
Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS
11:CLASS 12:CLASS 13:CLASS 14:CLASS

L1 STRUCTURE UPLOADED

=>

Uploading C:\Program Files\Stnexp\Queries\quinazoline.str



chain nodes :

7 8 13 14 15

ring nodes :

1 2 3 4 5 6 9 10 11 12

chain bonds :

3-7 5-8 11-13 13-14 13-15

ring bonds :

1-2 1-3 2-6 2-12 3-4 4-5 5-6 6-9 9-10 10-11 11-12

exact/norm bonds :

1-2 1-3 3-4 3-7 4-5 5-6 5-8 13-14 13-15

exact bonds :

11-13

normalized bonds :

2-6 2-12 6-9 9-10 10-11 11-12

Match level :

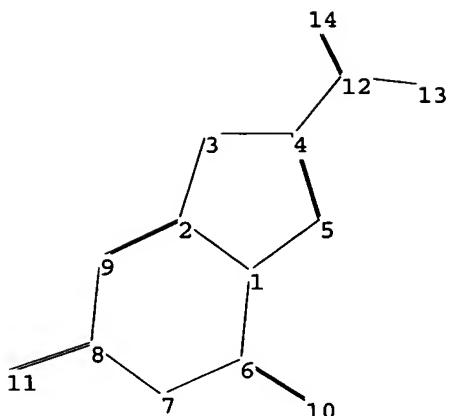
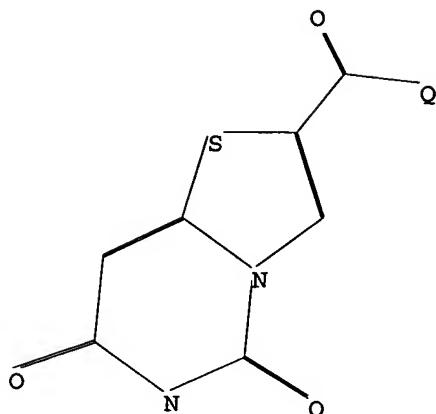
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:Atom 10:Atom
11:Atom 12:Atom 13:CLASS 14:CLASS 15:CLASS

L2 STRUCTURE UPLOADED

=>

Uploading C:\Program Files\Stnexp\Queries\thiazolopyrimidinone.str

MMP-13 inhibitors



chain nodes :
10 11 12 13 14

ring nodes :
1 2 3 4 5 6 7 8 9

chain bonds :
4-12 6-10 8-11 12-13 12-14

ring bonds :
1-2 1-5 1-6 2-3 2-9 3-4 4-5 6-7 7-8 8-9

exact/norm bonds :
1-2 1-5 1-6 2-3 2-9 3-4 4-5 6-7 6-10 7-8 8-9 8-11 12-13 12-14

exact bonds :
4-12

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS
11:CLASS 12:CLASS 13:CLASS 14:CLASS

L3 STRUCTURE UPLOADED

=> s L1 or L2 or L3

REGISTRY INITIATED

Substance data SEARCH and crossover from CAS REGISTRY in progress...
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

SAMPLE SEARCH INITIATED 15:40:26 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 1760 TO ITERATE

100.0% PROCESSED 1760 ITERATIONS
SEARCH TIME: 00.00.01

28 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 32684 TO 37716
PROJECTED ANSWERS: 243 TO 877

L4 28 SEA SSS SAM L1

MMP-13 inhibitors

L5 74 L4

REGISTRY INITIATED

Substance data SEARCH and crossover from CAS REGISTRY in progress...
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

SAMPLE SEARCH INITIATED 15:40:27 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 9 TO ITERATE

100.0% PROCESSED 9 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 9 TO 360
PROJECTED ANSWERS: 0 TO 0

L6 0 SEA SSS SAM L2

L7 0 L6

REGISTRY INITIATED

Substance data SEARCH and crossover from CAS REGISTRY in progress...
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

SAMPLE SEARCH INITIATED 15:40:28 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 53 TO ITERATE

100.0% PROCESSED 53 ITERATIONS 10 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 624 TO 1496
PROJECTED ANSWERS: 11 TO 389

L8 10 SEA SSS SAM L3

L9 2 L8

L10 75 L5 OR L7 OR L9

=> s L10 and py<2002
21808389 PY<2002
L11 66 L10 AND PY<2002

=> s L11 and (MMP-13 or metalloprotease(w)13)

MMP-13 inhibitors

13336 MMP
813609 13
982 MMP-13
(MMP (W) 13)
4433 METALLOPROTEASE
813609 13
52 METALLOPROTEASE (W) 13
L12 0 L11 AND (MMP-13 OR METALLOPROTEASE (W) 13)

=> d L11 1-10 ti

L11 ANSWER 1 OF 66 CAPLUS COPYRIGHT 2006 ACS on STN
TI Unusual radical ipso-substitution reaction of an aromatic methoxy group induced by tris(trimethylsilyl)silane-AIBN or SmI2

L11 ANSWER 2 OF 66 CAPLUS COPYRIGHT 2006 ACS on STN
TI Preparation of aroyl ketone derivative, as UV ray absorber and cosmetic compositions

L11 ANSWER 3 OF 66 CAPLUS COPYRIGHT 2006 ACS on STN
TI UV ray-protecting compositions containing benzoyl ketones

L11 ANSWER 4 OF 66 CAPLUS COPYRIGHT 2006 ACS on STN
TI Alkyliiron and alkylcobalt reagents. VIII. Alkyliiron(II) compounds as reagents and catalysts for the transformation of acyl chlorides into ketones

L11 ANSWER 5 OF 66 CAPLUS COPYRIGHT 2006 ACS on STN
TI UV-screening compositions containing benzoyl ketones and volatile oils

L11 ANSWER 6 OF 66 CAPLUS COPYRIGHT 2006 ACS on STN
TI Sunscreen compositions containing benzoyl ketones and UV-scattering agents

L11 ANSWER 7 OF 66 CAPLUS COPYRIGHT 2006 ACS on STN
TI Synthesis of a platelet antiaggregant-picotamide and its analogs

L11 ANSWER 8 OF 66 CAPLUS COPYRIGHT 2006 ACS on STN
TI Preparation of aroyl ketone derivative as UV ray absorber and cosmetic compositions

L11 ANSWER 9 OF 66 CAPLUS COPYRIGHT 2006 ACS on STN
TI Synthesis of decarboxythamnolic acid

L11 ANSWER 10 OF 66 CAPLUS COPYRIGHT 2006 ACS on STN
TI Structure elucidation of a glycopeptide antibiotic, OA-7653

=> s L11 and metalloprotease
4433 METALLOPROTEASE
L13 0 L11 AND METALLOPROTEASE

=> d L11 1-10 ti abs bib

L11 ANSWER 1 OF 66 CAPLUS COPYRIGHT 2006 ACS on STN
TI Unusual radical ipso-substitution reaction of an aromatic methoxy group induced by tris(trimethylsilyl)silane-AIBN or SmI2
AB While conformationally favorable thiocarbamates bearing an aromatic methoxy group undergo intramolecular ipso-substitution of the methoxy group by treatment with (Me3Si)3SiH (TTMSS) and AIBN, either conformationally flexible or favorable ketones easily cyclize into 5- or 6-membered rings by treatment with SmI2.
AN 2000:456357 CAPLUS

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DN 133:252131
 TI Unusual radical ipso-substitution reaction of an aromatic methoxy group induced by tris(trimethylsilyl)silane-AIBN or SMI2
 AU Tanaka, Tetsuaki; Wakayama, Ryutaro; Maeda, Shin-ichiro; Mikamiyama, Hidenori; Maezaki, Naoyoshi; Ohno, Hiroaki
 CS Grad. Sch. Pharm. Sci., Osaka University, Suita, Osaka, 565-0871, Japan
 SO Chemical Communications (Cambridge) (2000), (14), 1287-1288
 CODEN: CHCOFS; ISSN: 1359-7345
 PB Royal Society of Chemistry
 DT Journal
 LA English
 OS CASREACT 133:252131
 RE.CNT 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS RECORD
 ALL CITATIONS AVAILABLE IN THE RE FORMAT

L11 ANSWER 2 OF 66 CAPLUS COPYRIGHT 2006 ACS on STN
 TI Preparation of aroyl ketone derivative, as UV ray absorber and cosmetic compositions
 AB Title compds. Ar(COCH₂COR1)_n (I; R1 = n-Bu, n-heptyl; Ar = (substituted) Ph, -naphthyl; n = 1-3) exhibiting sunscreen effect, are prepared NaH, 3,4-(OMe)C₆H₃CO₂Me and anhydr. THF were refluxed followed by pinacolone to give I (Ar = 3,4-(MeO)C₆H₆, R1 = Me₃C, n = 1 (II)). In an UV stability study, the stability of II against light was >99 and 99% after 14 and 65 h, resp.
 AN 1993:559912 CAPLUS
 DN 119:159912
 TI Preparation of aroyl ketone derivative, as UV ray absorber and cosmetic compositions
 IN Yamada, Shinji; Kawamata, Akira; Imokawa, Genji; Masuda, Shinichi; Yamaguchi, Masakazu; Niinaka, Kouichi; Joukura, Hiroko
 PA Kao Corp., Japan
 SO U.S., 10 pp. Cont.-in-part of U.S. Ser. No. 577,567, abandoned.
 CODEN: USXXAM
 DT Patent
 LA English
 FAN.CNT 2

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5191121	A	19930302	US 1991-684872	19910415 <--
JP 03220153	A2	19910927	JP 1990-12196	19900122 <--
JP 06035416	B4	19940511		
JP 03188041	A2	19910816	JP 1990-234222	19900904 <--
US 5146002	A	19920908	US 1990-577567	19900905 <--
PRAI JP 1989-229708	A	19890905		
JP 1990-12196	A	19900122		
US 1990-577567	B2	19900905		
OS MARPAT 119:159912				

L11 ANSWER 3 OF 66 CAPLUS COPYRIGHT 2006 ACS on STN
 TI UV ray-protecting compositions containing benzoyl ketones
 AB The title compns. contain (A) R₁mPh(COCH₂COR2)_n [R₁ = OH, C₁-24 alkoxy, C₂-24 alkenyloxy, (polyoxyalkylene)oxy; 2 R₁ may form α -methylenedioxy; R₂ = C₂-24 (un)saturated hydrocarbyl, C₁-24 hydroxyalkyl, C₂-24 alkoxyalkyl, C₃-24 alkenyloxyalkyl, NR₃R₄; R₂ may differ with each other; R₃, R₄ = C₁-24 hydrocarbyl; NR₃R₄ = may form (O-containing) 5- to 7-membered ring; Ph = benzene ring; m = 0-4; n = 1-4; m + n \leq 6] or their salts, (B) liquid UV absorbers, (C) di-Me siloxanes, and (D) glyceryl ether-modified silicones and/or Me Ph siloxanes. The benzoyl ketones have good compatibility with the siloxanes, thus showing no precipitation of the crystals. 1,4-Bis(4,4-dimethyl-3-oxopentanoyl)benzene (preparation given) 5.0, glyceryl ether-modified siloxane (prepared from 10-undecenyl glyceryl ether and hydrogen siloxane) 3.0, KF 96A (di-Me siloxane, 5 cs) 5.0, KF 96A (50 cs) 2.0, Parsol MCX 3.0, SF 557 (Me Ph siloxane) 1.0, glycerin 10.0, and

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H₂O to 100% were mixed to give a sunscreen, in which no precipitation was formed.

AN 1993:546368 CAPLUS

DN 119:146368

TI UV ray-protecting compositions containing benzoyl ketones

IN Yoda, Yoshitaka; Shioya, Yasushi; Sugawara, Satoshi

PA Kao Corp, Japan

SO Jpn. Kokai Tokkyo Koho, 20 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	JP 05124945	A2	19930521	JP 1991-287986	19911101 <--
PRAI	JP 1991-287986			19911101	
OS	MARPAT 119:146368				

L11 ANSWER 4 OF 66 CAPLUS COPYRIGHT 2006 ACS on STN

TI Alkyliiron and alkylcobalt reagents. VIII. Alkyliiron(II) compounds as reagents and catalysts for the transformation of acyl chlorides into ketones

AB Me₂Fe, Bu₂Fe, Me₃FeLi, or Bu₃FeLi - prepared in situ by reduction of FeCl₃ to FeCl₂ and subsequent alkylation with MeLi, MeMgBr, BuLi, or BuMgBr - are useful reagents for the conversion of acyl chlorides into ketones. The system (RMgX + catalytic amount of FeCl₃) reacts like alkyl FeII reagents with acyl chlorides to give ketones even at -65°C. Competition experiment with benzoyl chloride/2-methoxybenzoyl chloride show that the selectivity increases (competition consts. K = 9.9, 10.7, 10.9, 15.0, ca. 110) in the sequence MeFeCl, Me₂Fe, Me₃Fe(MgBr), Me₄Fe(MgBr)₂, and catalytic system [MeMgBr + 2.5 mol % FeCl₃] (2, 3, 4, 5, and 40 MeMgBr per 1 mol FeCl₃, resp.). A new hypothesis on the nature of the active catalyst is discussed.

AN 1993:538492 CAPLUS

DN 119:138492

TI Alkyliiron and alkylcobalt reagents. VIII. Alkyliiron(II) compounds as reagents and catalysts for the transformation of acyl chlorides into ketones

AU Kauffmann, Thomas; Voss, Karl Uwe; Neiteler, Gabriele

CS Org.-Chem. Inst., Univ. Muenster, Muenster, W-4400, Germany

SO Chemische Berichte (1993), 126(6), 1453-9

CODEN: CHBEAM; ISSN: 0009-2940

DT Journal

LA German

L11 ANSWER 5 OF 66 CAPLUS COPYRIGHT 2006 ACS on STN

TI UV-screening compositions containing benzoyl ketones and volatile oils

AB Sunscreen compns. contain R₁mPh(COCH₂COR₂)_n [R₁ = OH, C₁-24 alkoxy, C₂-24 alkenyloxy, (polyoxyalkylene)oxy; 2 R₁ may form α-methylenedioxy; R₂ = C₂-24 (un)saturated hydrocarbyl, C₁-24 hydroxyalkyl, C₂-24 alkoxyalkyl, C₃-24 alkenyloxyalkyl, NR₃R₄; R₃, R₄ = C₁-24 hydrocarbyl; R₃R₄ may form (O-containing) 5- to 7-membered ring; Ph = benzene ring; m = 0-4; n = 1-4; m + n ≤ 6] or their salts and volatile oils. Pinacolone was treated with NaH in THF and refluxed with di-Me terephthalate in THF for 6 h to give 66% 1,4-bis(4,4-dimethyl-3-oxopentanoyl)benzene (I). Sunscreening preparation containing 5% I and IP Solvent 1620 (isoparaffin) was formulated.

AN 1993:197802 CAPLUS

DN 118:197802

TI UV-screening compositions containing benzoyl ketones and volatile oils

IN Yoda, Yoshitaka

PA Kao Corp., Japan

SO Jpn. Kokai Tokkyo Koho, 9 pp.

CODEN: JKXXAF

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DT Patent

LA Japanese

FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 04312518	A2	19921104	JP 1991-77901	19910410 <--
PRAI JP 1991-77901		19910410		

L11 ANSWER 6 OF 66 CAPLUS COPYRIGHT 2006 ACS on STN

TI Sunscreen compositions containing benzoyl ketones and UV-scattering agents

AB Sunscreens contain R1mPh(COCH₂COR₂)_n [R₁ = OH, C₁-24 alkoxy, C₂-24 alkenyloxy, (polyoxyalkylene)oxy; 2 R₁ may form α -methylenedioxy; R₂ = C₂-24 (un)saturated hydrocarbyl, C₁-24 hydroxyalkyl, C₂-24 alkoxyalkyl, C₃-24 alkenyloxyalkyl, NR₃R₄; R₃, R₄ = C₁-24 hydrocarbyl; R₃R₄ may form (O-containing) 5- to 7-membered ring; Ph = benzene ring; m = 0-4; n = 1-4; m + n \leq 6] or their salts and UV-scattering agents. Pinacolone was treated with NaH in THF and refluxed with di-Me terephthalate in THF for 6 h to give 66% 1,4-bis(4,4-dimethyl-3-oxopentanoyl)benzene (I). Sunscreening preparation was prepared from 5 g I, 5 g siloxane-coated silica-alumina powders, and liquid paraffin.

AN 1993:197801 CAPLUS

DN 118:197801

TI Sunscreen compositions containing benzoyl ketones and UV-scattering agents

IN Yoda, Yoshitaka; Sugawara, Satoshi

PA Kao Corp., Japan

SO Jpn. Kokai Tokkyo Koho, 9 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

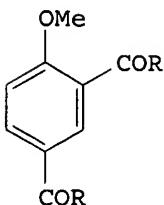
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI JP 04312517	A2	19921104	JP 1991-77900	19910410 <--
PRAI JP 1991-77900		19910410		

L11 ANSWER 7 OF 66 CAPLUS COPYRIGHT 2006 ACS on STN

TI Synthesis of a platelet antiaggregant-picotamide and its analogs

GI



I

AB Title compound I (R = 3-pyridylmethylamino, PhCH₂NH, 4-MeC₆H₆NH, PhNMe, dibenzylamino, 4-O₂NC₆H₄NH, cyclohexylamino, pyrrolidino, piperidino, morpholino, N-methylpiperazinyl, 2-pyridylamino, etc.) were prepared in 33.0-93.5% yield by amidation of I (R = OH) with amines.

AN 1992:571156 CAPLUS

DN 117:171156

TI Synthesis of a platelet antiaggregant-picotamide and its analogs

AU Tong, Zeen; Chen, Wenhao; Peng, Sixun

CS Div. Med. Chem., China Pharm. Univ., Nanjing, Peop. Rep. China

SO Zhongguo Yaoke Daxue Xuebao (1992), 23(1), 1-4

CODEN: ZHYXE9; ISSN: 1000-5048

MMP-13 inhibitors

DT Journal
LA Chinese

L11 ANSWER 8 OF 66 CAPLUS COPYRIGHT 2006 ACS on STN
TI Preparation of aroyl ketone derivative as UV ray absorber and cosmetic compositions
AB Title compds. Ar(COCH₂COR1)_n [I; Ar = (substituted) Ph or naphthyl; R1 = hydrocarbyl, alkoxyalkyl, alkenyloxyalkyl, dialkylamino; n = 1-4], are prepared NaH, 3,4-(MeO)2C₆H₃CO₂Me, and anhydrous THF were mixed and refluxed while pinacolone was added to give, after work-up, I (Ar = 3,4-(MeO)2C₆H₃; R1 = Me₃C; n = 1) (II). In an UV stability study, the stability of II against light was >99 and 99% after 14 and 65 h, resp. Addnl. I were prepared and tested. Cosmetic formulations comprising I are given.

AN 1991:491868 CAPLUS

DN 115:91868

TI Preparation of aroyl ketone derivative as UV ray absorber and cosmetic compositions

IN Yamada, Shinji; Kawamata, Akira; Imokawa, Genji; Masuda, Shinichi; Yamaguchi, Masakazu; Niinaka, Koichi; Joukura, Hiroko

PA Kao Corp., Japan

SO Eur. Pat. Appl., 18 pp.

CODEN: EPXXDW

DT Patent

LA English

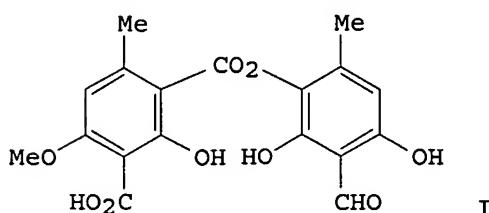
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 416564	A2	19910313	EP 1990-117020	19900904 <--
	EP 416564	A3	19920311		
	R: DE, ES, FR, GB				
	JP 03220153	A2	19910927	JP 1990-12196	19900122 <--
	JP 06035416	B4	19940511		
	JP 03188041	A2	19910816	JP 1990-234222	19900904 <--
PRAL	JP 1989-229708	A	19890905		
	JP 1990-12196	A	19900122		
OS	MARPAT 115:91868				

L11 ANSWER 9 OF 66 CAPLUS COPYRIGHT 2006 ACS on STN

TI Synthesis of decarboxythamnolic acid

GI



AB Decarboxythamnolic acid (I) was prepared biomimetically via esterification of the monoesterified benzenedicarboxylic acid with the trihydroxybenzaldehyde fragment.

AN 1989:172962 CAPLUS

DN 110:172962

TI Synthesis of decarboxythamnolic acid

AU Pulgarin, Cesar; Tabacchi, Raffaele

CS Inst. Chim., Univ. Neuchatel, Neuchatel, CH-2000, Switz.

SO Helvetica Chimica Acta (1988), 71(4), 876-80

CODEN: HCACAV; ISSN: 0018-019X

MMP-13 inhibitors

DT Journal

LA French

OS CASREACT 110:172962

L11 ANSWER 10 OF 66 CAPLUS COPYRIGHT 2006 ACS on STN

TI Structure elucidation of a glycopeptide antibiotic, OA-7653

AB The structure of a vancomycin-type antibiotic, OA-7653, isolated from *Streptomyces hygroscopicus* subsp. *hiwaseensis* subsp. nov. Nishida, has been elucidated by a combination of classical chemical methods, mass spectrometry, and NMR spectroscopy. The interaction of OA-7653 with the peptide cell wall analogs N-acetyl-D-alanyl-D-alanine, and di-N-acetyl-L-lysyl-D-alanyl-D-alanine in aqueous Me₂SO has been examined by

NMR

and UV difference spectroscopy.

AN 1989:58057 CAPLUS

DN 110:58057

TI Structure elucidation of a glycopeptide antibiotic, OA-7653

AU Ang, Siau Gek; Williamson, Michael P.; Williams, Dudley H.

CS Univ. Chem. Lab., Cambridge, CB2 1EW, UK

SO Journal of the Chemical Society, Perkin Transactions 1: Organic and Bio-Organic Chemistry (1972-1999) (1988), (7), 1949-56

CODEN: JCPRB4; ISSN: 0300-922X

DT Journal

LA English

OS CASREACT 110:58057

=> d L11 11-20 ti abs bib

L11 ANSWER 11 OF 66 CAPLUS COPYRIGHT 2006 ACS on STN

TI Simple synthesis of polyketones containing anthraquinone units

AB Polyketones containing anthraquinone units were prepared by the direct polycondensation of 1,5-diphenoxanthraquinone with aliphatic and aromatic dicarboxylic acids, in the presence of P205-methanesulfonic acid as condensing agent and solvent. Model compds. were prepared using monocarboxylic acids.

AN 1988:493722 CAPLUS

DN 109:93722

TI Simple synthesis of polyketones containing anthraquinone units

AU Ueda, Mitsuru; Sugita, Hiroya; Waragai, Takako

CS Fac. Eng., Yamagata Univ., Yamagata, 992, Japan

SO Polymer Journal (Tokyo, Japan) (1988), 20(5), 433-7

CODEN: POLJB8; ISSN: 0032-3896

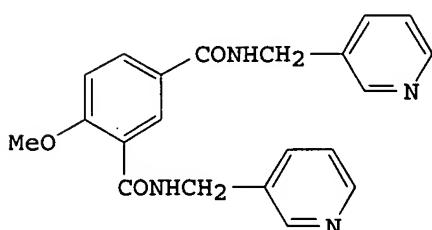
DT Journal

LA English

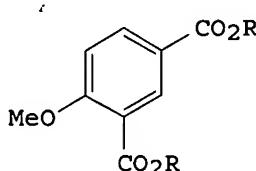
L11 ANSWER 12 OF 66 CAPLUS COPYRIGHT 2006 ACS on STN

TI Process for the preparation of 4-methoxy-N,N'-bis(3-pyridylmethyl)isophthalamide

GI



I



II

MMP-13 inhibitors

AB The title compound (I; i.e. picotamide), used as an anticoagulant, is prepared by saponification of methoxybenzeneddicarboxylate esters II (R = Me, Et, CHMe₂) with KOH in EtOH, followed by treatment of the the resultant II (R = K) with an acid chloride and then 3-pyridylmethylamine (III) and a tertiary amine. II (R = Me) (20 g) was saponified with 17.6 g KOH in refluxing 95% aqueous EtOH to give 22 g II (R = K), which was suspended in CH₂Cl₂ at 0° and treated with 17.5 g Me₃CCOCl at <4°. The mixture was stirred for 1 h and treated with 15.7 mL III and 14.2 mL Et₃N to give 26.4 g I.

AN 1987:458869 CAPLUS

DN 107:58869

TI Process for the preparation of 4-methoxy-N,N'-bis(3-pyridylmethyl)isophthalamide

IN Rubio, Eduardo

PA Laboratorio Veris S. L., Spain

SO Span., 5 pp.

CODEN: SPXXAD

DT Patent

LA Spanish

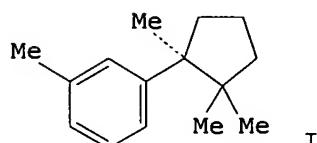
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	ES 549689	A1	19860901	ES 1985-549689	19851206 <--
PRAI	ES 1985-549689		19851206		

L11 ANSWER 13 OF 66 CAPLUS COPYRIGHT 2006 ACS on STN

TI Structures of ent-herbertane sesquiterpenoids displaying antifungal properties from the liverwort *Herberta adunca*

GI



AB Several aromatic sesquiterpenoids, e.g., (-)-herbertene (I), displaying antifungal properties, were isolated from the liverwort *H. adunca* together with a mother hydrocarbon with a novel irregular sesquiterpene skeleton, ent-herbertane, and their structures and absolute configurations were determined on

the basis of extensive degradation reactions and spectroscopic evidence. The biol. activity is also described.

AN 1986:530663 CAPLUS

DN 105:130663

TI Structures of ent-herbertane sesquiterpenoids displaying antifungal properties from the liverwort *Herberta adunca*

AU Matsuo, Akihiko; Yuki, Shunji; Nakayama, Mitsuru

CS Fac. Sci., Hiroshima Univ., Hiroshima, 730, Japan

SO Journal of the Chemical Society, Perkin Transactions 1: Organic and Bio-Organic Chemistry (1972-1999) (1986), (4), 701-10

CODEN: JCPRB4; ISSN: 0300-922X

DT Journal

LA English

L11 ANSWER 14 OF 66 CAPLUS COPYRIGHT 2006 ACS on STN

TI Teicoplanin, antibiotics from *Actinoplanes teichomyceticus* nov. sp. v. Aromatic constituents

MMP-13 inhibitors

AB Oxidative and hydrolytic degradation reactions were carried out on teicoplanin in order to characterize the aromatic portion of the mol. and relate it to the other members of the class of glycopeptide antibiotics. Seven aromatic rings, obtained as tri-Ph ether, di-Ph ether, and di-Ph moieties after oxidation and hydrolysis of teicoplanin, were identified. They are present in teicoplanin as aromatic amino acids and constitute the peptide part of the mol. The di-Ph ether and di-Ph moieties, which were isolated both as esters after oxidation and as α -amino acids after acid hydrolysis clearly indicate the nature of the corresponding amino acids in teicoplanin. The tri-Ph ether moiety, which was isolated only as ester, allows the hypothesis that the corresponding amino acids are the same as those of the other glycopeptide antibiotics.

AN 1984:630998 CAPLUS

DN 101:230998

TI Teicoplanin, antibiotics from *Actinoplanes teichomyceticus* nov. sp. V. Aromatic constituents

AU Coronelli, Carolina; Bardone, Maria Rosa; DePaoli, Adele; Farrari, Pietro; Tuan, Giorgio; Gallo, Gian Gualberto

CS Res. Lab., Gruppo Lepetit S.p.A., Milan, 20158, Italy

SO *Journal of Antibiotics* (1984), 37(6), 621-6

CODEN: JANTAJ; ISSN: 0021-8820

DT Journal

LA English

L11 ANSWER 15 OF 66 CAPLUS COPYRIGHT 2006 ACS on STN

TI Elimination of water from o-substituted methyl methoxybenzenopolycarboxylates under electron impact

AB The mass spectra of 9 3,5,2-RR1(R2O)C6H2CO2Me (I; R = H, Me, MeO, MeO2C, Br; R1 = H, MeO2C; R2 = Me, CD3) was studied in detail. H2O elimination was observed only in I (R = MeO2C), and involved only the R2O group.

AN 1984:208928 CAPLUS

DN 100:208928

TI Elimination of water from o-substituted methyl methoxybenzenopolycarboxylates under electron impact

AU Galyashin, V. N.; Rozynov, B. V.

CS Inst. Bioorg. Khim. im. Shemyakina, Moscow, USSR

SO *Izvestiya Akademii Nauk SSSR, Seriya Khimicheskaya* (1983), (12), 2830-3

CODEN: IASKA6; ISSN: 0002-3353

DT Journal

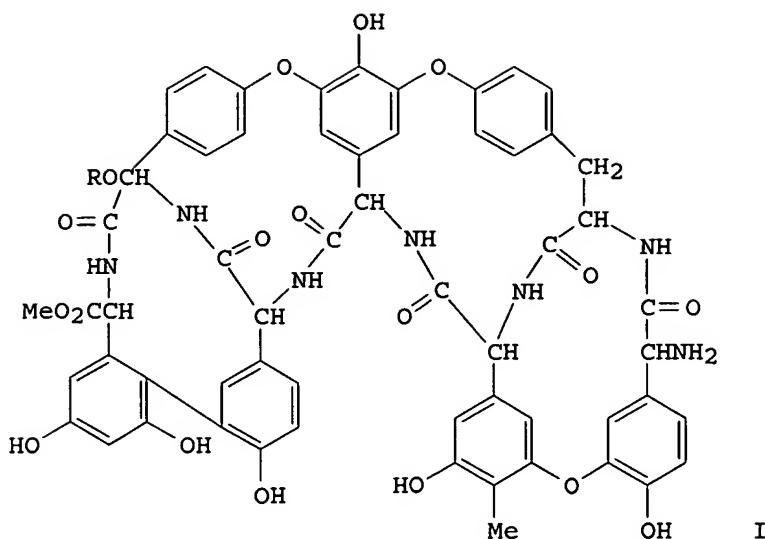
LA Russian

L11 ANSWER 16 OF 66 CAPLUS COPYRIGHT 2006 ACS on STN

TI Structure of the pseudoaglycon of actaplanin

GI

MMP-13 inhibitors



AB The structure of the title aglycon (I, R = ristosamine) was determined by NMR spectroscopy and degradation studies.

AN 1984:86115 CAPLUS

DN 100:86115

TI Structure of the pseudoaglycon of actaplanin

AU Hunt, Ann H.; Debono, Manuel; Merkel, Kurt E.; Barnhart, Mitchell

CS Lilly Res. Lab., Eli Lilly and Co., Indianapolis, IN, 46285, USA

SO Journal of Organic Chemistry (1984), 49(4), 635-40

CODEN: JOCEAH; ISSN: 0022-3263

DT Journal

LA English

L11 ANSWER 17 OF 66 CAPLUS COPYRIGHT 2006 ACS on STN

TI Mass spectra of methoxy-substituted methyl benzenecarboxylates of different basicity

AB The mass spectra of the following esters were analyzed: Me 2-, 3-, and 4-methoxybenzoate; tri-Me 4- and 5-methoxyhemimellitate; tri-Me 3-, 5-, and 6-methoxytrimellitate; Me 2-methoxytrimesate; di-Me 3- and 4-methoxyphthalate; di-Me 2-, 4-, and 5-methoxyisophthalate; di-Me methoxyterephthalate; tetra-Me methoxyprehnitate; tetra-Me methoxypyromellitate; and tetra-Me methoxymellophanate. Rearrangement ions were observed at [M-H₂O]⁺, [M-CHO]⁺, [M-MeOH]⁺, and [M-C₂H₅O]⁺; their intensity was determined by the position of the substituents.

AN 1984:22255 CAPLUS

DN 100:22255

TI Mass spectra of methoxy-substituted methyl benzenecarboxylates of different basicity

AU Galyashin, V. N.; El'kin, Yu. N.; Rozynov, B. V.; Kuz'min, N. M.

CS Inst. Bioorg. Khim. im. Shemyakina, Moscow, USSR

SO Izvestiya Akademii Nauk SSSR, Seriya Khimicheskaya (1983), (9),

2058-68

CODEN: IASKA6; ISSN: 0002-3353

DT Journal

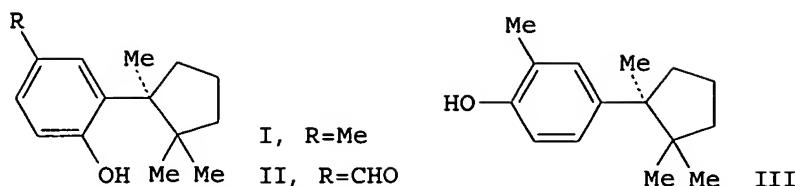
LA Russian

L11 ANSWER 18 OF 66 CAPLUS COPYRIGHT 2006 ACS on STN

TI Three new sesquiterpene phenols of the ent-herbertane class from the liverwort *Herberta adunca*

GI

MMP-13 inhibitors



AB Three sesquiterpene phenols named (-)- α -herbertenol (I), (-)- α -formylherbertenol (II), and (-)- β -herbertenol (III) with an ent-herbertane skeleton were isolated from the liverwort *H. adunca*, and the elucidation of their structures and absolute configurations was achieved on the basis of the chemical and spectral evidence.

AN 1982:436056 CAPLUS

DN 97:36056

TI Three new sesquiterpene phenols of the ent-herbertane class from the liverwort *Herberta adunca*

AU Matsuo, Akihiko; Yuki, Shunji; Nakayama, Mitsuru; Hayashi, Shuichi

CS Fac. Sci., Hiroshima Univ., Hiroshima, 730, Japan

SO Chemistry Letters (1982), (4), 463-6

CODEN: CMLTAG; ISSN: 0366-7022

DT Journal

LA English

L11 ANSWER 19 OF 66 CAPLUS COPYRIGHT 2006 ACS on STN

TI Interference peaks in DADI/MIKE spectra of methyl esters of benzenepolycarboxylic acids

AB The DADI spectra of thirty-four Me esters of benzenepolycarboxylic acids contained 2 intense metastable-ion peaks with nonintegral mass nos. These peaks were explained by the superposition of the spectra of ions formed in the 1st and 2nd no-field regions of the double-focusing mass spectrometer.

AN 1982:217062 CAPLUS

DN 96:217062

TI Interference peaks in DADI/MIKE spectra of methyl esters of benzenepolycarboxylic acids

AU Galyashin, V. N.; Rozynov, B. V.

CS Inst. Bioorg. Khim. im. Shemyakina, Moscow, USSR

SO Izvestiya Akademii Nauk SSSR, Seriya Khimicheskaya (1982), (3), 581-7

CODEN: IASKA6; ISSN: 0002-3353

DT Journal

LA Russian

L11 ANSWER 20 OF 66 CAPLUS COPYRIGHT 2006 ACS on STN

TI Spectra of metastable ions of position isomers of methyl esters of benzenepolycarboxylic acids

AB The DADI method was used to analyze the mass spectra of 28 Me esters of benzenedi- and benzenetricarboxylic acids, most of which contained OH or OMe substituents on the ring. The metastable ions at M^+ [$M - OMe$ (or $MeOH$)] $^+$, and [$M - CO2Me$ (or $HCO2Me$)] $^+$ can be used to identify the isomers.

AN 1982:180547 CAPLUS

DN 96:180547

TI Spectra of metastable ions of position isomers of methyl esters of benzenepolycarboxylic acids

AU Galyashin, V. N.; Rozynov, B. V.

CS Inst. Bioorg. Khim., Moscow, USSR

SO Izvestiya Akademii Nauk SSSR, Seriya Khimicheskaya (1982), (2), 280-5

CODEN: IASKA6; ISSN: 0002-3353

DT Journal

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LA Russian

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ANTE - Abstr. in New Technologies and Eng. 1981 - present
APOLLIT - APPLIED POLYMERS LITERATURE 1973-present
AQUALINE - Aqualine 1960 to the present
AQUASCI - Aquatic Sciences & Fisheries Abstracts 1978-present
AQUIRE - Acquatic Toxicity Information Retrieval
ASMDATA - Materials Database
BABS - BEILSTEIN Abstracts 1980-present
BEILSTEIN - BEILSTEIN File of Organic Compounds
BIBLIODATA - GERMAN NATIONAL BIBLIOGRAPHY FROM 1945 - PRESENT
BIOENG - Biotechnology and Bioengineering database 1982 - pres.
BIOSIS - The BIOSIS Previews(R)/RN File 1969-present
BIOTECHABS - Derwent Biotechnology Resource 1982-present
BIOTECHDS - Derwent Biotechnology Resource 1982-present (Subsc.)
BIOTECHNO - BIOTECHNOBASE 1980 TO 2003
BLLDB - LINGUISTIC LITERATURE from 1971-present
CA - The Chemical Abstracts File 1907-present
CABA - CAB ABSTRACTS 1973-present
CAOLD - The pre-1967 Chemical Abstracts File
CAPLUS - The Chemical Abstracts Plus File 1907-present
CASREACT - The Chemical Abstracts Reaction Search Service
CBNB - Chemical Business NewsBase from 1984-present
CEABA-VTB - Chem Eng and Biotech Abstr - Verfahrenstechn Ber 1966-
CERAB - Ceramic Abstracts/World Ceramic Abstracts from 1975
CHEMCATS - CHEMICAL CATALOGS ONLINE 1993-to the present
CHEMINFORMRX - The CHEMINFORMRX Reaction Search Service
CHEMLIST - Regulated Chemicals Listing
CHEMSAFE - CHEMSAFE - chemical safety information
CIN - The Chemical Industry Notes File for 1974-present
CIVILENG - Civil Engineering Abstracts 1966 to the present
COMPENDEX - COMPENDEX*PLUS File from 1970 - present
COMPUAB - Computer & Information Systems Abstracts 1981-present
COMPUSCIENCE - COMPUTERSCIENCE FROM 1972-2002
CONF - Conferences in Energy, Physics, Mathematics etc.
CONFSCI - Conference Papers Index from 1973-present
COPPERDATA - Copper and Copper Alloy Standards and Data
COPPERLIT - Copper Literature Database
CORROSION - Corrosion Abstracts 1980 to the present
CROPB - Derwent Crop Protection File 1968 - 1984
CROPR - Derwent Crop Protection Registry
CROPU - DERWENT CROP PROTECTION FILE 1985 - 2003

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CSCORP - ChemSources - USA and International (Company Directory)
CSNB - Chemical Safety News Base from 1981-present
DDFB - Derwent Drug File, Backfile 1964 - 1982
DDFU - Derwent Drug File from 1983 - present
DETHERM - DETHERM-DECHEMA thermophysical property database
DGENE - Derwent Geneseq Database 1981 - present
DIOGENES - FDA Regulatory Updates 1976-present
DIPPR - AIChE Design Inst. Physical Property Data File
DISSABS - Dissertation Abstracts from 1861 to present
DJSMDS - Derwent Reaction Search Service DJSM (Subscribers)
DJSMONLINE - Derwent Reaction Search Service DJSM
DKF - The German Automotive Engineering Database 1974-date
DPCI - Derwent Patents Citation Index 1978 to present
DRUGB - Derwent Drug File, Backfile 1964 - 1982 (Subscribers)
DRUGMONOG - IMS Product Monographs (Approved Pharm. Industry Users)
DRUGMONOG2 - IMS Product Monographs
DRUGU - Derwent Drug File from 1983-present (Subscribers)
ELCOM - Electronics & Communications Abstracts 1981-present
EMA - Engineered Materials Abstracts File from 1986-present
EMBAL - EMBASE Alert
EMBASE - EMBASE File from 1974-present
ENCOMPLIT - EnCompass Literature File 1964-present (Supporters)
ENCOMPLIT2 - EnCompass Literature File 1964-Present (Non-Supporters)
ENCOMPPAT - EnCompass Patent File 1964-present (Supporters)
ENCOMPPAT2 - EnCompass Patent File 1964-Present (Non-Supporters)
ENERGY - DOE ENERGY file from 1974-present
ENVIROENG - Environmental Engineering Abstracts 1990 - present
EPFULL - European Patents Fulltext database
ESBIOBASE - Elsevier Biobase 1994 to the present
FEDRIP - Federal Research in Progress Database
FOMAD - FOODLINE MARKET 1982 TO PRESENT
FOREGE - FOODLINE LEGAL
FORIS - Research in social sciences from 1993 - 2002
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FROSTI - FOODLINE SCIENCE 1972 TO PRESENT
FSTA - Food Science Technology Abstracts from 1969 - present
GBFULL - United Kingdom (GB) Patents Full Text from 1979 - pres
GENBANK - Genetic Sequence Data Bank
GOREF - Geological Reference File 1785-present
GMELIN - Gmelin Handbook of Inorganic Chemistry
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ICONDA - International Construction Database from 1976-present
ICSD - ICSD - Inorganic Crystal Structure Data File
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IMSCOPROFILE - IMS Company Profiles 1995-present
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IMSPRODUCT - IMS LifeCycle, New Product Focus from 1982-present

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LWPI - Derwent World Patents Index Learning File
MARPAT - The CAS Patent Markush File 1988-present
MATBUS - Materials Business File from 1983-present
MDF - Metals Datafile
MECHENG - Mechanical and Transportation Eng. Abs. 1966-
MEDLINE - MEDLars onLINE File from 1960 - present
METADEX - METADEX File from 1966-present
MRCK - The Merck Index Online (SM)
MSDS-CCOHS - CCOHS Material Safety Data Sheets
MSDS-OHS - Material Safety Data Sheets - OHS
NAPRALERT - Natural Products Alert Database
NIOSHTIC - NIOSHTIC 1973-present
NLDB - Newsletter Database from 1988 - present
NTIS - U.S.Government Reports Announcements 1964-present
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PAPERCHEM2 - Elsevier Engineering Information, Inc. File 1967 - pre
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PATDPA - The German Patent Database from 1968-present
PATDPAFULL - The German Full-Text Patent Database from 1987-present
PATDPASPC - German SPC for Drugs and Plant Protecting Agents 1992-
PATIPC - International Patent Classification and Catchword Inde
PCTFULL - WIPO/PCT Patents Full Text 1978 to the present
PCTGEN - PCTGEN: World Patent Application Biosequences
PDLCOM - PDL Chemical & Environmental Compatibility of Plastics
PHAR - Pharmaprojects drug development status file
PHARMAML - Pharma Marketletter 1992 to the present
PHIC - Pharmaceutical & Healthcare Industry News (Current)
PHIN - Pharmaceutical & Healthcare Industry News Archive 1980
PIRA - PIRA & PAPERBASE Database from 1975
PLASPEC - Plastics Technology Materials Selection Database
POLLUAB - Pollution Abstracts from 1970-present
PROMT - PROMT from 1978 - present
PROUSDDR - Drug Data Report from Prous Science
PS - Pharmaceutical Substances

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RDISCLOSURE	- Research Disclosure 1960 to the present
REGISTRY	- The CAS Registry File of substances
RSWB	- Regional planning and building construction
RTECS	- Registry of Toxic Effects of Chemical Substances
RUSSIAPAT	- RUSSIAN PATENT ABSTRACTS DATABASE FROM 1994 - PRESENT
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SOLIS	- German literature in social sciences 1945-present
SPECINFO	- Spectral Database Information System
STNGUIDE	- Descriptive information about STN databases
STNMAIL	- STN Electronic Mail Service
SYNTHLINE	- Synthline Drug Synthesis Database 1984-present
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TEXTILETECH	- Textile Technology Digest from 1978 to the present
TOXCENTER	- Toxicology Center from 1907 - present
TRIBO	- TRIBOLOGY INDEX (Friction,Wear,Lubrication) 1972-pres.
TULSA	- Petroleum Abstracts 1965-present
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WPINDEX	- Derwent World Patents Index 1963 - present
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WSCA	- World Surface Coatings Abstracts 1976 - present
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(WARNER (W) LAMBERT)
2948 METALLOPROTEASE
L14 0 ROARK AND WARNER-LAMBERT AND METALLOPROTEASE

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85.36

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

	SINCE FILE ENTRY	TOTAL SESSION
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CA SUBSCRIBER PRICE

0.00

-15.00

STN INTERNATIONAL LOGOFF AT 15:49:23 ON 29 MAR 2006